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NOTICE OF ALLOWANCE AND FEE(S) DUE

26290 7590 0406/2009 PATTERSON & SHERIDAN, L.L.P. 3040 POST OAK BOULEVARD SUITE 1500 HOUSTON, TX 77056 EXAMINER

JONES, JAMES

ART UNIT PAPER NUMBER

2873

DATE MAILED: 04/06/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/540,178	12/05/2005	Stefan Lanio	ZIMR/0019	1197

TITLE OF INVENTION: MULTI-AXIS LENS, BEAM SYSTEM MAKING USE OF THE COMPOUND LENS, AND METHOD OF MANUFACTURING THE COMPOUND LENS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/06/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION NO THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. In equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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appropriate. All further indicated unless correcte maintenance fee notificat	correspondence including ad below or directed off	or transmitting the ISS og the Patent, advance of herwise in Block 1, by (UE PEE and PUBLICATI orders and notification of r a) specifying a new corres	ON FEE (if require naintenance fees wil pondence address; a	d). Blocks I through 5 I be mailed to the curre ind/or (b) indicating a se	should be completed where nt correspondence address as parate "FEE ADDRESS" for
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						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	1	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/540,178 TITLE OF INVENTION THE COMPOUND LEN		BEAM SYSTEM MAK	Stefan Lanio ING USE OF THE COMPO	OUND LENS, AND	ZIMR/0019 METHOD OF MANUF/	1197 ACTURING
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/06/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS			
JONES, JAMES 2873			359-619000			
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 2 or more recent) attach ND RESIDENCE DAT. ess an assignce is ident h in 37 CFR 3.11. Comp	mge of Correspondence "Indication form led. Use of a Customer A TO BE PRINTED ON	2. For printing on the p (I) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent atto listed, no name will be THE PATENT (print or type data will appear on the p or a substitute for filing an (B) RESIDENCE: (CITY)	3 registered patent arely, e firm (having as a nigent) and the names meys or agents. If neprinted. ee) atent. If an assignee assignment.	nember a 2of up to name is 3	document has been filed for
Please check the appropri	iate assignee category or	categories (will not be p	rinted on the patent):	Individual Corp	ooration or other private s	group entity 🚨 Government
4a. The following fee(s) a ☐ Issue Fee ☐ Publication Fee (N ☐ Advance Order - #	o small entity discount j		b. Payment of Fee(s): (Plea A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo	d. Form PTO-2038 i	s attached.	e shown above) deficiency, or credit any an extra copy of this form).
	s SMALL ENTITY state	as. See 37 CFR I.27.	b. Applicant is no lon			
NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if req records of the United Sta	uired) will not be accepte tes Patent and Trademarl	ed from anyone other than t k Office.	he applicant; a registe	ered attorney or agent; or	the assignee or other party in
Authorized Signature				Date		
Typed or printed name				Registration No.		
This collection of informan application. Confident submitting the completed this form and/or suggestit Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C tiality is governed by 35 I application form to the ons for reducing this bu irginia 22313-1450. DC 13-1450.	CFR 1.311. The informati U.S.C. 122 and 37 CFR USPTO. Time will vari rden, should be sent to the ONOT SEND FEES OR	on is required to obtain or r 1.1.4. This collection is est y depending upon the indiv the Chief Information Office COMPLETED FORMS TO	etain a benefit by the imated to take 12 mi idual case. Any com r, U.S. Patent and Ti D THIS ADDRESS.	public which is to file (a nutes to complete, includents on the amount of rademark Office, U.S. Do SEND TO: Commissione	and by the USPTO to process) ling gathering, preparing, and time you require to complete epartment of Commerce, P.O. er for Patents, P.O. Box 1450,

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3040 POST OAK BOULEVARD			ART UNIT	PAPER NUMBER
SUITE 1500 HOUSTON, TX 7	7056		2873 DATE MAILED: 04/06/200	9

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 289 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 289 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/540,178 LANIO, STEFAN Notice of Allowability Examiner Art Unit JAMES C. JONES 2873 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to amendments filed 3/12/2009. 2. The allowed claim(s) is/are 1-18 and 34. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) 🔯 All b) ☐ Some* c) ☐ None of the: 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. __ 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

of bloogical waterial	9. Other
/James C. Jones/	/Jordan M. Schwartz/
Examiner, Art Unit 2873	Primary Examiner, Art Unit 2873
LLS. Patent and Trademark Office	

Attachment(s)

1. | Notice of References Cited (PTO-892)

Paper No./Mail Date

2. Notice of Draftperson's Patent Drawing Review (PTO-948)

4. ☐ Examiner's Comment Regarding Requirement for Deposit

3. Information Disclosure Statements (PTO/SB/08),

5. Notice of Informal Patent Application

 Interview Summary (PTO-413), Paper No./Mail Date .

7. X Examiner's Amendment/Comment

8. X Examiner's Statement of Reasons for Allowance

Application/Control Number: 10/540,178

Art Unit: 2873

Claims 1-18 and 34 are allowed.

REASONS FOR ALLOWANCE/EXAMINER'S COMMENTS

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance: none of the prior art either alone or in combination disclose or teach of the claimed combination of limitations to warrant a rejection under 35 USC 102 or 103. Specifically, in reference to independent claim 1 (and its dependents), none of the prior art either alone or in combination disclose or teach of the claimed lens system specifically including as the distinguishing features in combination with the other limitations the claimed "wherein each lens module has *n*-fold symmetry with respect to the center of the opening and *n*>1".

Regarding independent claim 17 (and its dependent), none of the prior art either alone or in combination disclose or teach of the claimed method of manufacturing a lens system specifically including as the distinguishing features in combination with the other limitations the claimed "wherein the center of each opening provides an optical axis, a lens field corresponding to each opening has *n*-fold symmetry with respect to the center of the opening and *n*>1".

Regarding independent claim 34, none of the prior art either alone or in combination disclose or teach of the claimed multiple charged particle beam device specifically including as the distinguishing features in combination with the other limitations the claimed "wherein each lens module has n-fold symmetry with respect to the center of the opening and n>1".

Examiner's Comments

Kienzle et al. (20040105160) and Frosien et al. (20060169910) are being cited herein to show references that discloses some similar features to that of the claimed invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES C. JONES whose telephone number is (571)270-1278. The examiner can normally be reached on Monday thru Friday, 8 a.m. to 5 p.m. est. time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Mack can be reached on (571) 272-2333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2873

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/James C. Jones/ Examiner, Art Unit 2873 3/24/2009

/Jordan M. Schwartz/ Primary Examiner, Art Unit 2873